Wednesday, 3/14/2007 12:22:31 PM Date: Kim Johnston User: **Process Sheet** Customer : DOUBLER ASSEMBLY **Drawing Name** : CU-DAR001 Dart Helicopters Services Job Number : 31177 : 12368 Estimate Number : N/A : D314010 Part Number P.O. Number . D3140 REV F S.O. No. : N7A : 3/14/2007 **Drawing Number** This Issue : N/A Prsht Rev. : NC Project Number : M/A : SMALL /MED FAB **Drawing Revision** First Issue : PX : 27341 Material Previous Run : 3/21/2007 Qty: ' 1 Um: Each **Due Date** Written By Checked & Approved By ΚJ : Est. Α 06.04.19 New Issue Comment Est Rev:B As per ECN #829 06-11-20 JLM **Additional Product** Job Number Description: Seq. #: Machine Or Operation: D314085 1.0 Angle Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Angle Batch Doubler .2.0 D314089 1.0000 Each(s) Comment: Qty.: 1.0000 Each(s)/Unit Total: Doubler Batch RIVET 30 MS20426AD34 Comment: Qty. 5.0000 Each(s) 5.0000 Each(s)/Unit Total: **RIVET** Batch SMALL & MEDIUM FAB RESOURCE 1 4.0 SMALL FAB 1 Comment: SMALL & MEDIUM FAB RESOURCE 1 Assemble as per Dwg D3140 INSPECT WORK TO CURRENT STEP 5.0 Comment: INSPECT WORK TO CURRENT STEP

Dart Aerospace Ltd

W/O:		WORK ORDER CHANG	SES					
DATE	STEP	PROCEDURE CHANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

QA: N/C Closed: ____ Date: ____

	WORK ORDER NON-CONFORMANCE (NCR)									
	Description of NC	Corrective Action Section B				Approval	Approval			
STEP	Section A	Initial Chief Eng			Section C	Chief Eng	QC Inspector			
4.0	I hole was oversized to 128-7:130 when a vivet was removed. Numan error.		Repince with MS 20426AD4-3 ×1.	FF 07-03-19	M					
		Pas1042	The Fit is good i Material grip	1	07/03/19	/0×042.	6703.19			
			,							
	STEP 4.0	STEP Description of NC Section A 1 hole was oversized to 128-7:130	STEP Description of NC Section A Initial Chief Eng I hole was oversized to 128-7:130 When a rivet was removed. Human error.	STEP Description of NC Section A Initial Chief Eng Chief Eng Chief Eng Chief Eng Chief Eng Repince with MS 20426AD4-3 Numan error.	Description of NC Section A Initial Chief Eng Replace With MS 20426AD4-3 The was removed. Corrective Action Section B Initial Chief Eng Date Replace With MS 20426AD4-3 The was removed.	STEP Description of NC Section A Initial Chief Eng Chi	STEP Description of NC Section A Initial Chief Eng Chie			

NOTE: Date & initial all entries

Date: User: Wednesday, 3/14/2007 12:22:32 PM

Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: DOUBLER ASSEMBLY

Description:

Job Number: 31177

Part Number: D314010

Job Number:



Seq. #:

Machine Or Operation:

6.0

PACKAGING 1

PACKAGING RESOURCE #1

Comment: PACKAGING RESOURCE #1

Identify and Stock

Location:__

FINAL INSPECTION/W/O RELEASE

QC21

Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



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W/O:		WORK ORDER CHANGES										
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector					
												
				·	<u> </u>		<u></u>					
Part No		PAR #: Fault Category:	NCR: Yes	No DQ	A :	_ Date: _						
			QA:	N/C Close	d:	Date:						

NCR:			WORK ORDER NON-CONFORMANCE (NCR)									
		Description of NC		Corrective Action Section B		Verification	Annewal	Annewal				
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector				
						1						
		•										
						,						

NOTE: Date & initial all entries



RELEASED

06.11.13

DESIG	N d	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
CHECK	7111 (Ed. 1)	APPROVED . /	DRAWING NO. REV. F
CHECK	ALK	APPROVED	D3140 SHEET 1 OF 7
DATE			TITLE SCALE
06.1	0.06		DOOR NTS
Α		02.04.18	NEW ISSUE
В		03.01.23	REMOVE -65/-81/-83; ADD -301/-303
С		04.11.08	CHANGE DELASTEK SPEC. TEC-77; ADD PART MARKING; ADD NOTES 11, 12, 13; CHANGE ANGLE -95/-97/-98 TO 106'
D		05.11.23	ADD -103/-104/-105/-106; REMOVE -67
E		06.06.09	1.75 WAS 1.88, 4.75 WAS 4.13 ON -08/-07, 1.00 WAS 1.20 ON -09/-10

ADD NOTE 14; CORRECT PART TITLE,

				F		06.10.06	NOW D3140-09/-92/-104 D3140-10/-91/-103 OPPO	SHOWN SITE
	OT)/	OTV	OTV	OTV	OTY	T		
QTY -05	QTY -06	QTY -07	QTY -08	QTY -09	QTY -10	PART NUMBER	DESCRIPTION	
X X		,			'*	D3140-05	DOOR	
- ^-	X					D3140-06	DOOR	
		X				D3140-07	DOOR	
			Х			D3140-08	DOOR	
		1		Х		D3140-09	DOUBLER ASSEMBLY	
			1		Х	D3140-10	DOUBLER ASSEMBLY	
3	3					D3140-57	PAD	
1	1					D3140-59	PAD	
2	2					D3140-61	PAD	
2	2					D3140-63	PAD	
		1	1			D3140-69	PAD	
		1	1			D3140-71	PAD	
		1	1			D3140-73	PAD	
		1	1			D3140-75	PAD	
		1	1			D3140-77	PAD	
		1	1			D3140-79	PAD	
				1	1	D3140-85	ANGLE SHO	COPY
1	1					D3140-87	DOLIDI ED	JRN TO
				1	1	D3140-89		NEERING
		1				D3140-91		
			1			D3140-92		OLLED COPY
3	3					D3140-95		AMENDMENT
1						D3140-97	DOUBLER WITHO	UT NOTICE
	1					D3140-98	DOUBLER WOR	CORDER_
		1	1			D3140-99		31177
		2	2			D3140-101	DOUBLER NO.	
		1				D3140-103	DOUBLER	
			1			D3140-104	DOUBLER	\wedge
		1				D3140-105	DOUBLER	/D\
			1			D3140-106	DOUBLER	
1	1					D3140-241	DOUBLER	
1		1				D3140-301	DOUBLER	
	1		1			D3140-303	DOUBLER	
				5	5	MS20426AD3-4	RIVET	

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DESIGN #	DRAWN BY		ROSPACE LTD ry, ontario, canada
CHECKED	APPROVED	drawing no. D3140	REV. F SHEET 2 OF 7
DATE		TITLE	SCALE
06.10.06		DOOR	нтѕ



COMPOSITE LAYUP & BONDING I.A.W. DELASTEK PROCESS SPEC. TEC-77
MATERIAL STORAGE & HANDLING TO BE I.A.W. DART QSI 006
MAIN LAYUP USES FIBERCOTE E-761/7781 EPOXY FIBERGLASS.
FILL WITH EPOCAST 87269 OR MAGNOBOND 77 A & B AND MA560 FOAM/ NB-51/30 FOAM



FINISH: DUPONT HIGHBUILD GREY PRIMER 1144-S

MAKE PARTS IN ACCORDANCE WITH THE FOLLOWING TOOLS/MOLDS:

PART	TOOL
D3140-05	B30-23000-01T
D3140-06	B30-23000-02T
D3140-07	B30-23000-03T
D3140-08	B30-23000-04T
D3140-57	B30-23000-57T
D3140-61	B30-23000-61T
D3140-63	B30-23000-63T
D3140-69	B30-23000-69T
D3140-71	B30-23000-71T
D3140-73	B30-23000-73T
D3140-75	B30-23000-75T
D3140-77	B30-23000-77T
D3140-79	B30-23000-79T
D3140-89	D3140-89T1
D3140-301	D3140-301T1
D3140-303	D3140-303T1

RELEASED



MATERIAL: 2024-T3 (QQ-A-250/4) 0.032 THICK (M2024T3S.032) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1



MATERIAL: 2024-T3 (QQ-A-250/4) 0.020 THICK (M2024T3S.020) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1



MATERIAL: 5052-H32/H34 (QQ-A-250/8) 0.040 THICK (M5052H32S.040) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1



MATERIAL: POLIMEX TR75 1" THICK 4.5 LB KLEGECELL



ALL DIMENSIONS IN INCHES



TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED



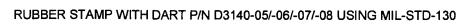
MATERIAL: 6061-T6 (QQ-A-250/11) 0.063 THICK (M6061-T6S.063) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1



DOUBLER TO SIT ON TOP OF FOAM AT THIS LOCATION



DOUBLER TO BE RECESSED FLUSH INTO FOAM AT THIS LOCATION





PARTS MUST BE SCUFFED WITH 80 GRIT SANDPAPER PRIOR TO ACID ETCH AND ALODINE PER DART QSI 005 4.1



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